

### **IN THE CLAIMS**

Please amend the claims as follows.

1-20. (Cancelled).

21. (Previously Presented) A system for extracting heavy metal from glass waste, comprising:

a grinding device for crushing glass waste into crushed glass particles;

a screen for filtering the crushed glass particles out into filtered glass particles having a diameter size of less than or equal to 2 millimeters;

a conveyor for transporting the filtered glass particles into a tank having a solution of water and acid;

a circulating pump device for circulating the filtered glass particles and the solution within the tank for a first period of time, producing treated glass particles where the heavy metals are extracted from the filtered glass particles and the heavy metals are mixed with the solution producing a modified solution; and

a water treatment device for bringing the water to a safe potential Hydrogen (pH) level and for filtering out other contaminants which remain in the water.

22. (Previously Presented) A system for extracting heavy metals from glass waste, comprising:

a grinding device that grinds the glass waste into glass particles having a diameter sizes of less than or equal to 2 millimeters;

a processing tank that receives the glass particles and receives a solution of water and acid, wherein the glass particles and the solution are circulated within the tank to extract the heavy metals from the glass particles and produce treated glass particles and the extracted heavy metals mix with the solution to produce a modified solution; and

a rinsing tank that receives the treated glass particles and tap water for rinsing the treated glass particles with the tap water.

23. (Previously Presented) A system for extracting heavy metals from glass waste, comprising:

a screen and conveyor device that filters out glass particles from the glass waste that are less than or equal to 2 millimeters in diameter sizes, and transports the glass particles to a processing tank;

the processing tank having the glass particles and a solution of water and acid, wherein the glass particles are circulated within the processing tank with the solution and thereby produces treated glass particles where the heavy metals have been extracted, and wherein the extracted heavy metals are mixed with the solution to produce a modified solution; and

a rinsing tank that includes tap water within the rinsing tank and receives the treated glass particles.

24 (Previously Presented) The system of claim 23, further comprising a water treatment device for treating the tap water after the treated glass particles are removed from the rinsing tank.